

At (cont)
cover comprises polyurethane-based thermoplastic elastomer formed by using cycloaliphatic diisocyanate as a base resin selected from the group consisting of 4,4'-dicyclohexylmethane diisocyanate, 1,3-bis (isocyanatomethyl)cyclohexane, isophorone diisocyanate, and trans-1,4-cyclohexane diisocyanate;

and the core has a deformation amount of 2.5 to 4.5 mm, when applying from an initial load of 98 N to a final load of 1275 N on the core, and

the golf ball has a deformation amount of 2.4 to 4.0 mm, when applying from an initial load of 98 N to a final load of 1275 N on the golf ball.

Please add the following new claims:

Sub B1
Claim 4. (New) The golf ball of claim 1, wherein the core deformation amount is 2.6 to 4.2 mm.

A2
Claim 5. (New) The golf ball of claim 1, wherein the core deformation amount is 2.7 to 4.0 mm.

Claim 6. (New) The golf ball of claim 1, wherein the cover thermoplastic elastomer is 4,4'-dicyclohexylmethane diisocyanate.

Claim 7. (New) The golf ball of claim 1, wherein the cover further comprises another thermoplastic elastomer or ionomer resin in an amount of 0 to 40 parts by weight based on 100 parts by weight of the whole resin for the cover.

Claim 8. (New) The golf ball of claim 1, wherein the deformation amount for the golf ball is 2.5 to 3.7 mm.

Claim 9. (New) The golf ball of claim 1, wherein the deformation amount for the golf ball is 2.6 to 3.4 mm.
